

512, 028

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
6 November 2003 (06.11.2003)

PCT

(10) International Publication Number  
**WO 03/090694 A2**

- |  |   |
|--|---|
| <p>(51) International Patent Classification<sup>7</sup>: <b>A61K</b></p> <p>(21) International Application Number: PCT/US03/13015</p> <p>(22) International Filing Date: 24 April 2003 (24.04.2003)</p> <p>(25) Filing Language: English</p> <p>(26) Publication Language: English</p> <p>(30) Priority Data:<br/>10/131,827 24 April 2002 (24.04.2002) US</p> <p>(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:<br/>US 10/131,827 (CIP)<br/>Filed on 24 April 2002 (24.04.2002)</p> <p>(71) Applicant (for all designated States except US): <b>EXPRES-<br/>SION DIAGNOSTICS, INC.</b> [US/US]; 384 Oyster Point<br/>Boulevard, Suite No. 6, South San Francisco, CA 94080<br/>(US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): <b>WOHLGEMUTH,<br/>Jay</b> [US/US]; 1165 Monte Rosa Drive, Menlo Park, CA<br/>94025 (US). <b>FRY, Kirk</b> [US/US]; 2604 Ross Road, Palo<br/>Alto, CA 94303 (US). <b>WOODWARD, Robert</b> [US/US];<br/>1828 Rheem Court, Pleasanton, CA 94588 (US). <b>LY, Ngoc</b></p> | <p>[US/US]; 2000 Crystal Springs Road 15-14, San Bruno,<br/>CA 94066 (US).</p> <p>(74) Agents: <b>LITTLEFIELD, Otis, B.</b> et al.; Morrison &amp; Fo-<br/>erster LLP, 425 Market Street, San Francisco, CA 94105-<br/>2482 (US).</p> <p>(81) Designated States (<i>national</i>): AE, AG, AL, AM, AT, AU,<br/>AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,<br/>CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,<br/>GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,<br/>LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,<br/>MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,<br/>SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,<br/>UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p>(84) Designated States (<i>regional</i>): ARIPO patent (GH, GM,<br/>KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),<br/>Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),<br/>European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,<br/>ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,<br/>SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,<br/>GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published:</b><br/>— without international search report and to be republished<br/>upon receipt of that report</p> <p><i>For two-letter codes and other abbreviations, refer to the "Guid-<br/>ance Notes on Codes and Abbreviations" appearing at the begin-<br/>ning of each regular issue of the PCT Gazette.</i></p> |
|--|---|



WO 03/090694 A2

(54) Title: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTO IMMUNE AND CHRONIC INFLAMMATORY DISEASES

(57) Abstract: Methods of diagnosing or monitoring auto immune and chronic inflammatory diseases, particularly systemic lupus erythematosus and rheumatoid arthritis, in a patient by detecting the expression level of one or more genes in a patient, are described. Diagnostic oligonucleotides for diagnosing or monitoring auto immune and chronic inflammatory diseases, particularly systemic lupus erythematosus and rheumatoid arthritis and kits or systems containing the same are also described.